

DHS Asthma Measure

Beta Agonist Use in the MediCal Population

Description: The percentage of MediCal patients receiving 8 or more short-acting beta agonist inhalers in the measurement year. Age ranges included in the measure are the same as the HEDIS measure (5-9; 10-17, 18-56). The patients must have been continuously enrolled for the measurement year and year prior with one allowable gap during each year of the continuous enrollment timeframe (as defined below).

Denominator: DHS will use the same denominator population as defined in the HEDIS measure “Appropriate Use of Medications for People with Asthma.”

Numerator: For each member in the denominator, the number of members who filled prescriptions for 8 or more canisters of inhaled short acting beta agonist during the measurement year. Note that more than one canister may be dispensed on a given date.

Data Collection: Pharmacy claims data, collected by each MediCal Managed Care Plan. Data may be collected by the administrative method only; medical record review is not an option for this measure.

Measurement year: 1 January 2001 through 31 December 2001.

Continuous Enrollment: The measurement year and year prior (1 January 2000 to 31 December 2001). DHS elected to utilize the eligible population for the Use of Appropriate Medications for People with Asthma HEDIS measure to allow plans to use the same denominator population for measurement purposes.

Gap in Enrollment/Anchor Date: No more than one gap in enrollment of up to 45 days during each year of continuous enrollment. To determine continuous enrollment for a MediCal beneficiary whose enrollment is verified monthly, the member may not have more than a one month gap in coverage during each measurement year. The member must be enrolled on December 31 of the measurement year.

Event or Diagnosis: Persistent asthma as defined by the coding scheme in the HEDIS asthma measure.

Ages: Age bands match the HEDIS Asthma measure: ages 5-9; 10-17; 18-56.

Medications: Plans will use only short-acting Beta Agonist-type inhalers for this measure. Specifically excluded: long-acting beta agonists, inhaled corticosteroids, inhaled anti-inflammatory, methylxanthines, nebulized medications, oral bronchodilators, leukotriene modifiers and mast cell stabilizers.

Plans must use the list of NDC codes provided by DHS. Plans may use internal medication codes from their formularies in place of NDC codes, if necessary. Plans doing so must furnish this information to the HEDIS™ auditor in order to “translate” the internal code to a medication from the enclosed NDC list.

DHS NDC List

GENERIC DESCRIPTION	GENERIC NAME	NDC CODE	LABEL CODE	CLASS	SORT
METAPROTERENOL SULFATE INHAL AEROSOL POW	metaproterenol	00000106201	Metaproterenol 15mg/ml MDI 650mcg	short-acting beta agonists	1
METAPROTERENOL SULFATE INHAL AEROSOL POW	metaproterenol	00000123501	Metaproterenol 15mg/ml MDI 650mcg	short-acting beta agonists	2
BITOLTEROL MESYLATE INHAL AEROSOL 0.8%	bitolterol	00024106001	TORNALATE IN AER .37MG/AC	short-acting beta agonists	3
BITOLTEROL MESYLATE INHAL AEROSOL 0.8%	bitolterol	00024106101	TORNALATE RF AER .37MG/AC	short-acting beta agonists	4
terbutaline sulfate 0.2 mg/inh inhalation aerosol	terbutaline sulfate	00028555787	Brethaire 0.2 mg/inh inhalation aerosol	short-acting beta agonists	5
terbutaline sulfate 0.2 mg/inh inhalation aerosol with adapter	terbutaline sulfate	00028555788	Brethaire 0.2 mg/inh inhalation aerosol	short-acting beta agonists	6
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00047299711	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	7
METAPROTERENOL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	00054355140	METAPROTEREN AER .65/ACT	short-acting beta agonists	8
metaproterenol sulfate 0.65 mg/inh inhalation aerosol with adapter	metaproterenol sulfate	00054355240	Metaproterenol Sulfate 0.65 mg/inh inhalation aerosol with adapter	short-acting beta agonists	9
METAPROTERENOL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	00078020953	METAPREL INH AER .65/ACT	short-acting beta agonists	10
METAPROTERENOL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	00078020957	METAPREL INH AER .65/ACT	short-acting beta agonists	11
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00085061402	Proventil 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	12
albuterol 90 mcg/inh inhalation aerosol	albuterol	00085061403	Proventil 90 mcg/inh inhalation aerosol	short-acting beta agonists	13
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00085061510	Proventil 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	14
albuterol sulfate 108 mcg/inh inhalation aerosol with adapter	albuterol sulfate	00085113201	Proventil HFA 108 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	15
albuterol sulfate 108 mcg/inh inhalation aerosol with adapter	albuterol sulfate	00085113202	Proventil HFA 108 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	16
pirbuterol acetate 0.2 mg/inh inhalation aerosol with adapter	pirbuterol acetate	00089079021	Maxair 0.2 mg/inh inhalation aerosol with adapter	short-acting beta agonists	17
pirbuterol acetate 0.2 mg/inh inhalation aerosol with adapter	pirbuterol acetate	00089081521	Maxair Autohaler 0.2 mg/inh inhalation aerosol with adapter	short-acting beta agonists	18
pirbuterol acetate 0.2 mg/inh inhalation aerosol with adapter	pirbuterol acetate	00089081710	Maxair Autohaler 0.2 mg/inh inhalation aerosol with adapter	short-acting beta agonists	19
pirbuterol acetate 0.2 mg/inh inhalation aerosol with adapter	pirbuterol acetate	00172439018	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	20
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00172439019	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	21
albuterol 90 mcg/inh inhalation aerosol	albuterol	00173032188	Ventolin 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	22
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00173032198	Ventolin 90 mcg/inh inhalation aerosol	short-acting beta agonists	23
albuterol 90 mcg/inh inhalation aerosol	albuterol	00173046300	Ventolin 90 mcg/inh inhalation aerosol	short-acting beta agonists	27
albuterol 90 mcg/inh inhalation aerosol	albuterol	00364263217	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	28
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00364263298	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	29
Albuterol 90 mcg/inh inhalation	albuterol	00403177118	Proventil 90 mcg inhaler	short-acting beta agonists	30
albuterol 90 mcg/inh inhalation	albuterol	00403225118	Ventolin 90mcg/inh inhalation aerosol	short-acting beta agonists	31
albuterol 90 mcg/inh inhalation aerosol	albuterol	00472126463	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	33
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	00472126478	ALBUTEROL AER 90MCG	short-acting beta agonists	34
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00536041612	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	35
albuterol 90 mcg/inh inhalation aerosol	albuterol	00536041613	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	36
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00536121612	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	37
albuterol 90 mcg/inh inhalation aerosol	albuterol	00536121613	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	38
metaproterenol sulfate 0.65 mg/inh inhalation aerosol with adapter	metaproterenol sulfate	00597007017	Alupent 0.65 mg/inh inhalation aerosol with adapter	short-acting beta agonists	39
metaproterenol sulfate 0.65 mg/inh inhalation aerosol	metaproterenol sulfate	00597007018	Alupent 0.65 mg/inh inhalation aerosol	short-acting beta agonists	40
Metaproterenol Sulfate Inhal Aerosol	metaproterenol	00597007086	Alupent 650 mcg w/adapter	short-acting beta agonists	41
Metaproterenol Sulfate Inhal Aerosol	metaproterenol	00597007095	Alupent 650 mcg	short-acting beta agonists	42
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00603100475	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	43
albuterol 90 mcg/inh inhalation aerosol	albuterol	00603100499	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	44
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00677154970	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	45
albuterol 90 mcg/inh inhalation aerosol	albuterol	00677154971	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	46
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00781750287	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	47

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albuterol 90 mcg/inh inhalation aerosol	albuterol	00781750288	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	48
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00839760807	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	49
albuterol 90 mcg/inh inhalation aerosol	albuterol	00839760880	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	50
ALBUTEROL INHAL AEROSOL 90 MCG/DOSE	albuterol	00904287534	ALBUTEROL AER 90MCG/AC	short-acting beta agonists	51
ALBUTEROL INHAL AEROSOL 90 MCG/DOSE	albuterol	00904287557	ALBUTEROL AER REFILL	short-acting beta agonists	52
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	00904507834	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	53
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	00904507868	ALBUTEROL AER 90MCG	short-acting beta agonists	54
albuterol 90 mcg/inh inhalation aerosol	albuterol	00904507934	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	55
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	49502030317	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	56
albuterol 90 mcg/inh inhalation aerosol	albuterol	49502030327	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	57
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	49502033317	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	58
albuterol 90 mcg/inh inhalation aerosol	albuterol	49502033327	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	59
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	50111080131	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	60
albuterol 90 mcg/inh inhalation aerosol	albuterol	50111080132	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	61
bitolterol mesylate 0.37 mg/inh inhalation aerosol	bitolterol mesylate	51479001201	Tornalate 0.37 mg/inh inhalation aerosol	short-acting beta agonists	62
bitolterol mesylate 0.37 mg/inh inhalation aerosol	bitolterol mesylate	51479001202	Tornalate 0.37 mg/inh inhalation aerosol	short-acting beta agonists	63
METAPROTENEROL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	52493080710	ALUPENT INH AER .65/ACT	short-acting beta agonists	64
METAPROTENEROL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	52493080715	ALUPENT INH AER .65/ACT	short-acting beta agonists	65
TERBUTALINE SULFATE INHAL AEROSOL SOLN 0.2 MG/ACT	terbutaline	52493081308	BRETHAIRE AER 0.2MG	short-acting beta agonists	66
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	52493084701	PROVENTIL AER 90MCG	short-acting beta agonists	67
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	52493084717	PROVENTIL AER 90MCG	short-acting beta agonists	68
PIRBUTEROL INHAL AEROSOL 200 MCG	pirbuterol	52493086926	MAXAIR INH AER 200MCG	short-acting beta agonists	69
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	52555059417	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	70
albuterol 90 mcg/inh inhalation aerosol	albuterol	52555059418	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	71
METAPROTENEROL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	52959100300	ALUPENT INH AER .65/ACT	short-acting beta agonists	72
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	52959112100	PROVENTIL AER 90MCG	short-acting beta agonists	73
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	52959129301	VENTOLIN AER 90MCG	short-acting beta agonists	74
Albuterol Inhal Aerosol 90 MCG/ACT	albuterol	52959142103	ALBUTEROL AER 90MCG	short-acting beta agonists	75
Bitolterol Mesylate Inhal Aerosol 0.8%	bitolterol	53002052373	TORNALATE IN AER .37MG/AC	short-acting beta agonists	76
Albuterol 90 mcg/inh inhalation	albuterol	53002090264	Proventil 90 mcg inhaler	short-acting beta agonists	77
Albuterol 90 mcg/inh inhalation	albuterol	53002090265	Proventil 90 mcg inhaler	short-acting beta agonists	78
METAPROTENEROL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	54569004500	ALUPENT INH AER .65/ACT	short-acting beta agonists	79
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	54569005200	PROVENTIL AER 90MCG	short-acting beta agonists	80
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	54569100300	VENTOLIN AER 90MCG	short-acting beta agonists	81
BITOLTEROL MESYLATE INHAL AEROSOL 0.8%	bitolterol	54569100500	TORNALATE IN AER .37MG/AC	short-acting beta agonists	82
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	54569100800	PROVENTIL AER 90MCG RF	short-acting beta agonists	83
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	54569101100	VENTOLIN AER 90MCG	short-acting beta agonists	84
TERBUTALINE SULFATE INHAL AEROSOL SOLN 0.2 MG/ACT	terbutaline	54569101400	BRETHAIRE AER 0.2MG	short-acting beta agonists	85
TERBUTALINE SULFATE INHAL AEROSOL SOLN 0.2 MG/ACT	terbutaline	54569101500	BRETHAIRE RF AER 0.2MG	short-acting beta agonists	86
pirbuterol acetate 0.2 mg/inh inhalation aerosol with adapter	pirbuterol acetate	54569225300	Maxair 0.2 mg/inh inhalation aerosol with adapter	short-acting beta agonists	87
METAPROTENEROL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	54569273200	ALUPENT INH AER .65/ACT	short-acting beta agonists	88
METAPROTENEROL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	54569345200	ALUPENT REF AER .65/ACT	short-acting beta agonists	89
Albuterol Inhal Aerosol 90 MCG/ACT	albuterol	54569424500	ALBUTEROL AER 90MCG	short-acting beta agonists	90
Pirbuterol Acetate Breath Activated Inhal Aerosol 200MCG/INH	pirbuterol	54569461500	MAXAIR AUTOH AER 200MCG	short-acting beta agonists	91

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Albuterol Sulfate Inhal Aero 120 MCG/ACT (100MCG Base Equiv)	albuterol	54569462100	PROVENTIL AER HFA	short-acting beta agonists	92
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	54868073001	VENTOLIN AER 90MCG	short-acting beta agonists	93
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	54868104101	PROVENTIL AER 90MCG	short-acting beta agonists	94
METAPROTERENOL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	54868104301	ALUPENT INH AER .65/ACT	short-acting beta agonists	95
METAPROTERENOL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	54868250901	METAPREL INH AER .65/ACT	short-acting beta agonists	96
pirbuterol acetate 0.2 mg/inh inhalation aerosol with adapter	pirbuterol acetate	54868282101	Maxair Autohaler 0.2 mg/inh inhalation aerosol with adapter	short-acting beta agonists	97
TERBUTALINE SULFATE INHAL AEROSOL SOLN 0.2 MG/ACT	terbutaline	54868291100	BRETHAIRE AER 0.2MG	short-acting beta agonists	98
BITOLTEROL MESYLATE INHAL AEROSOL 0.8%	bitolterol	54868354900	TORNALATE IN AER .37MG/AC	short-acting beta agonists	99
Albuterol Inhal Aerosol 90 MCG/ACT	albuterol	54868373900	ALBUTEROL AER 90MCG RF	short-acting beta agonists	131
TERBUTALINE SULFATE INHAL AEROSOL SOLN 0.2 MG/ACT	terbutaline	54977068001	BRETHAIRE RF AER 0.2MG	short-acting beta agonists	132
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	54977069501	PROVENTIL AER 90MCG	short-acting beta agonists	133
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	54977070601	VENTOLIN AER 90MCG	short-acting beta agonists	134
Albuterol 90 mcg/inh inhalation	albuterol	55045148605	Proventil 90 mcg inhaler	short-acting beta agonists	135
METAPROTERENOL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	55175152001	METAPREL INH AER .65/ACT	short-acting beta agonists	136
METAPROTERENOL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	55175152101	ALUPENT INH AER .65/ACT	short-acting beta agonists	137
Albuterol 90 mcg/inh inhalation	albuterol	55175256801	Proventil 90 mcg inhaler	short-acting beta agonists	139
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	55175257201	VENTOLIN AER 90MCG	short-acting beta agonists	140
BITOLTEROL MESYLATE INHAL AEROSOL 0.8%	bitolterol	55175257301	Tornalate 0.37 mg inhaler	short-acting beta agonists	141
Albuterol Inhal Aerosol 90 MCG/ACT	albuterol	55175257501	ALBUTEROL AER 90MCG	short-acting beta agonists	142
METAPROTERENOL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	55175441001	METAPROTEREN AER .65/ACT	short-acting beta agonists	143
Pirbuterol Acetate Breath Activated Inhal Aerosol 200MCG/INH	pirbuterol	55175520501	MAXAIR AUTOH AER 200MCG	short-acting beta agonists	144
METAPROTERENOL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol sulfate	55947020615	ALUPENT INH AER .65/ACT	short-acting beta agonists	145
albuterol 90 mcg/inh inhalation aerosol	albuterol	55953005101	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	146
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	55953005153	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	147
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	57362011601	VENTOLIN AER 90MCG	short-acting beta agonists	148
METAPROTERENOL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol sulfate	58016600201	ALUPENT INH AER .65/ACT	short-acting beta agonists	149
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	58016605901	Proventil 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	150
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	58016605917	Proventil 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	151
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	58016609901	Ventolin 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	152
albuterol 90 mcg/inh inhalation aerosol	albuterol	58016620501	Proventil 90 mcg/inh inhalation aerosol	short-acting beta agonists	153
TERBUTALINE SULFATE INHAL AEROSOL SOLN 0.2 MG/ACT	terbutaline	58016623301	BRETHAIRE AER 0.2MG	short-acting beta agonists	154
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	58016631617	Ventolin 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	155
BITOLTEROL MESYLATE INHAL AEROSOL 0.8%	bitolterol	58016652360	Tornalate 0.37 mg inhaler	short-acting beta agonists	156
METAPROTERENOL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol sulfate	58016653700	ALUPENT INH AER .65/ACT	short-acting beta agonists	157
metaproterenol sulfate 0.65 mg/inh inhalation aerosol with adapter	metaproterenol sulfate	58016653714	Alupent 0.65 mg/inh inhalation aerosol with adapter	short-acting beta agonists	158
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	58016656901	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	159
albuterol 90 mcg/inh inhalation aerosol	albuterol	58980010817	Respirol 90 mcg/inh inhalation aerosol	short-acting beta agonists	160
Albuterol 90 mcg/inh inhalation	albuterol	59723012201	Ventolin 90 mcg/inh inhalation aerosol	short-acting beta agonists	161
albuterol 90 mcg/inh inhalation aerosol	albuterol	59772617501	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	162
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	59772617502	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	163
albuterol 90 mcg/inh inhalation aerosol with adapter	albuterol	59930156001	Albuterol Sulfate 90 mcg/inh inhalation aerosol with adapter	short-acting beta agonists	164
albuterol 90 mcg/inh inhalation aerosol	albuterol	59930156002	Albuterol Sulfate 90 mcg/inh inhalation aerosol	short-acting beta agonists	165
PIRBUTEROL INHAL AEROSOL 200 MCG	pirbuterol	60346020797	MAXAIR INH AER 200MCG	Xanthines	166
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	60346033176	PROVENTIL AER 90MCG RF	short-acting beta agonists	167

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ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	60346038476	VENTOLIN	AER 90MCG RF	short-acting beta agonists	168
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	60346039476	VENTOLIN	AER 90MCG	short-acting beta agonists	169
ALBUTEROL INHAL AEROSOL 90 MCG/ACT	albuterol	60346040876	PROVENTIL	AER 90MCG	short-acting beta agonists	170
METAPROTERENOL SULFATE INHAL AEROSOL POW 0.65 MG/ACT	metaproterenol	60346042747	ALUPENT INH	AER .65/ACT	short-acting beta agonists	171
Albuterol 90 mcg/inh inhalation	albuterol	62037079444	Albuterol 90 mcg	inhaler	short-acting beta agonists	172